

§ 21.39 Formula No. 6-B.

(a) *Formula.* To every 100 gallons of alcohol add:

One-half gallon of pyridine bases.

(b) *Authorized uses.* (1) As a raw material:

- 523. Miscellaneous ethyl esters.
- 574. Fulminate of mercury and other detonators.
- 575. Drugs and medicinal chemicals.
- 579. Other chemicals.

(2) Miscellaneous uses:

- 812. Product development and pilot plant uses (own use only).

§ 21.40 Formula No. 12-A.

(a) *Formula.* To every 100 gallons of alcohol add:

Five gallons of benzene, or 5 gallons of toluene.

(b) *Authorized uses.* (1) as a solvent:

- 021. Cellulose plastics.
- 022. Non-cellulose plastics, including resins.
- 036. Adhesives and binders.
- 342. Processing glandular products, vitamins, hormones, and yeasts.
- 343. Processing antibiotics and vaccines.
- 344. Processing medicinal chemicals (including alkaloids).
- 345. Processing blood and blood products.
- 351. Processing dyes and intermediates.
- 352. Processing perfume materials and fixatives.
- 354. Processing rosin.
- 358. Processing other chemicals.
- 359. Processing miscellaneous products.
- 430. Sterilizing and preserving solutions.

(2) As a raw material:

- 523. Miscellaneous ethyl esters.
- 530. Ethylamines.
- 540. Dyes and intermediates.
- 575. Drugs and medicinal chemicals.
- 579. Other chemicals.

(3) Miscellaneous uses:

- 812. Product development and pilot plant uses (own use only).

§ 21.41 Formula No. 13-A.

(a) *Formula.* To every 100 gallons of alcohol add:

Ten gallons of ethyl ether.

(b) *Authorized uses.* (1) As a solvent:

- 015. Candy glazes.
- 021. Cellulose plastics.
- 022. Non-cellulose plastics, including resins.

- 031. Photographic film and emulsions.
- 032. Transparent sheeting.
- 034. Cellulose intermediates and industrial collodions.
- 052. Inks (not including meat branding inks).
- 241. Collodion, U.S.P.
- 331. Processing pectin.
- 332. Processing other food products.
- 342. Processing glandular products, vitamins, hormones, and yeasts.
- 343. Processing antibiotics and vaccines.
- 344. Processing medicinal chemicals (including alkaloids).
- 345. Processing blood and blood products.
- 349. Miscellaneous drug processing (including manufacture of pills).
- 352. Processing perfume materials and fixatives.
- 353. Processing photographic chemicals.
- 358. Processing other chemicals.
- 359. Processing miscellaneous products.
- 430. Sterilizing and preserving solutions.
- 481. Photoengraving and rotogravure solutions and dyes.

(2) As a raw material:

- 523. Miscellaneous ethyl esters.
- 561. Ethyl ether.
- 562. Other ethers.
- 575. Drugs and medicinal chemicals.
- 579. Other chemicals.

(3) Miscellaneous uses:

- 812. Product development and pilot plant uses (own use only).

§ 21.42 Formula No. 17.

(a) *Formula.* To every 100 gallons of alcohol add:

Five-hundredths (0.05) gallon (6.4 fluid ounces) of bone oil (Dipple's oil).

(b) *Authorized uses.* (1) As a solvent:

- 344. Processing medicinal chemicals (including alkaloids).
- 358. Processing other chemicals.
- 359. Processing miscellaneous products.

(2) As a raw material:

- 575. Drugs and medicinal chemicals.
- 579. Other chemicals.

(3) Miscellaneous uses:

- 812. Product development and pilot plant uses (own use only).

§ 21.43 Formula No. 18.

(a) *Formula.* To every 100 gallons of alcohol of not less than 160 proof add:

One hundred gallons of vinegar of not less than 90-grain strength or 150 gallons of vinegar of not less than 60-grain strength.

§ 21.44

27 CFR Ch. I (4–1–97 Edition)

(b) *Authorized uses.* (1) As a raw material:

511. Vinegar.

(2) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

§ 21.44 Formula No. 19.

(a) *Formula.* To every 100 gallons of alcohol add:

One hundred gallons of ethyl ether.

(b) *Authorized uses.* (1) As a solvent:

031. Photographic film and emulsions.
034. Cellulose intermediates and industrial collodions.
241. Collodion, U.S.P.

(2) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

§ 21.45 Formula No. 20.

(a) *Formula.* To every 100 gallons of alcohol add:

Five gallons of chloroform.

(b) *Authorized uses.* (1) As a raw material:

579. Miscellaneous chemicals (chloroform).

(2) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

§ 21.46 Formula No. 22.

(a) *Formula.* To every 100 gallons of alcohol add:

Ten gallons of formaldehyde solution, U.S.P.

(b) *Authorized uses.* (1) As a solvent:

420. Embalming fluids and related products.
430. Sterilizing and preserving solutions.
470. Theater sprays, incense, and room deodorants.

(2) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

§ 21.47 Formula No. 23-A.

(a) *Formula.* To every 100 gallons of alcohol add:

Eight gallons of acetone, U.S.P.

(b) *Authorized uses.* (1) As a solvent:

011. Cellulose coatings.

- 012. Synthetic resin coatings.
- 013. Shellac coatings.
- 014. Other natural resin coatings.
- 015. Candy glazes.
- 016. Other coatings.
- 032. Transparent sheeting.
- 034. Cellulose intermediates and industrial collodions.
- 035. Soldering flux.
- 036. Adhesives and binders.
- 042. Solvents and thinners (other than proprietary solvents or special industrial solvents).
- 052. Inks (including meat branding inks).
- 053. Stains (wood, etc.).
- 111. Hair and scalp preparations.
- 112. Bay rum.
- 113. Lotions and creams (hand, face, and body).
- 114. Body deodorants and deodorant creams.
- 141. Shampoos.
- 142. Soaps and bath preparations.
- 210. External pharmaceuticals, not U.S.P. or N.F.
- 244. Antiseptic solutions, U.S.P. or N.F.
- 249. Miscellaneous external pharmaceuticals, U.S.P. or N.F.
- 331. Processing pectin.
- 332. Processing other food products.
- 341. Processing crude drugs.
- 342. Processing glandular products, vitamins, hormones, and yeasts.
- 343. Processing antibiotics and vaccines.
- 344. Processing medicinal chemicals (including alkaloids).
- 345. Processing blood and blood products.
- 349. Miscellaneous drug processing (including manufacture of pills).
- 358. Processing other chemicals.
- 359. Processing miscellaneous products.
- 410. Disinfectants, insecticides, fungicides, and other biocides.
- 420. Embalming fluids and related products.
- 430. Sterilizing and preserving solutions.
- 440. Industrial detergents and soaps.
- 450. Cleaning solutions (including household detergents).
- 482. Miscellaneous dye solutions.
- 485. Miscellaneous solutions.

(2) As a fluid:

740. Refrigerating uses.
750. Miscellaneous fluid uses.

(3) Miscellaneous uses:

812. Product development and pilot plant uses (own use only).

§ 21.48 Formula No. 23-F.

(a) *Formula.* To every 100 gallons of alcohol add:

Three pounds of salicylic acid, U.S.P., 1 pound of resorcinol (resorcin), U.S.P., and 1 gallon of bergamot oil, N.F. XI, or bay oil (myrcia oil), N.F. XI.